BEFORE THE TARANAKI REGIONAL COUNCIL

 IN THE MATTER
 of an application by Remediation (NZ)

 Limited for resource consents under Part 5
 of the Resource Management Act 1991

 AND
 IN THE MATTER
 applications to obtain replacement

 consents for Consent Numbers 5838-2.2
 and 5839-2 as summarised below:

 Consent 5838-2.2 – to discharge of a) waste
 material to land for composting; and b)

 treated stormwater and leachate, from
 composting operations operations operations operations operations

composting operations; onto and into land in circumstances where contaminants may enter water in Haehanga Stream catchment and directly into an unnamed tributary of the Haehanga Stream at Grid Reference (NZTM) 1731656E-5686190N, 1733127E-5684809N, 1732277E-568510N, 1732658E-5684545N and 1732056E-5684927N

Consent 5839-2 – to discharge emissions into the air, namely odour and dust, from composting operations between (NZTM) 1731704E-5685796N, 1733127E-5684809N, 1732277E-5685101N, 1732451E-5684624N and 1732056E-5684927N

STATEMENT OF SUPPLEMENTARY EVIDENCE OF Colin Kay DATED 24 March 2021

Environmental Consultancy:

Landpro Limited 57 Vivian Street New Plymouth 9342 Attention: Kathryn Hooper Tel: 027 759 2044 Email: kathryn@landpro.co.nz

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Introduction

 My name is Colin Kay. I am an Agricultural Consultant trading as Kay Consulting Ltd. My qualifications, experience and involvement in the project are detailed in my Evidence In Chief (EIC) dated 9 March 2021.

Supplementary Evidence

2. I have reviewed the evidence of submitters, and I make the following comments and clarifications, and also wish to provide some further information that has become available since my EIC that is within my area of expertise.

Overseer modelling

- 3. The Overseer® modelling has been a useful tool in enabling RNZ to understand how nitrogen affects the site environment when considering the different site operations.
- If you put aside the inherit limitations in the program and the accuracy of the data inputs, by running different scenarios you eventually arrive at the optimum operating point.
- 5. RNZ will continue to use Overseer® in future to assist site management in operational planning.

New Irrigation Area

- 6. A 9th irrigation field new been commissioned since the RNZ expert evidence was lodged. This field is 2.88 ha and this increases the total area irrigated to 16.06 ha - or a 22% increase in size. A plan showing the location of this area is attached as 'Attachment A'.
- The increase in area is likely to result in a similar percentage drop in nutrients leached from the irrigation block, and will provide additional operational flexibility for RNZ to manage irrigation and nutrient loading at the facility.

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Conclusion

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- The additional irrigation area will further improve site operations and reduce N losses, and the continued use of Overseer® to model scenarios will be invaluable in continuing to inform these operations.
- 9. In my EIC I concluded that the site has been engineered to capture all the contaminants from the site and the land treatment system, is capable of treating the site runoff to a standard where the effects on the environment, including N losses, are negligible. A review of monitoring data against current consent limits has shown that any breaches of consent can be attributed to 'one-off' management issues leading to discharge events, as opposed to systemic and long running discharges or leaching. This conclusion remains.

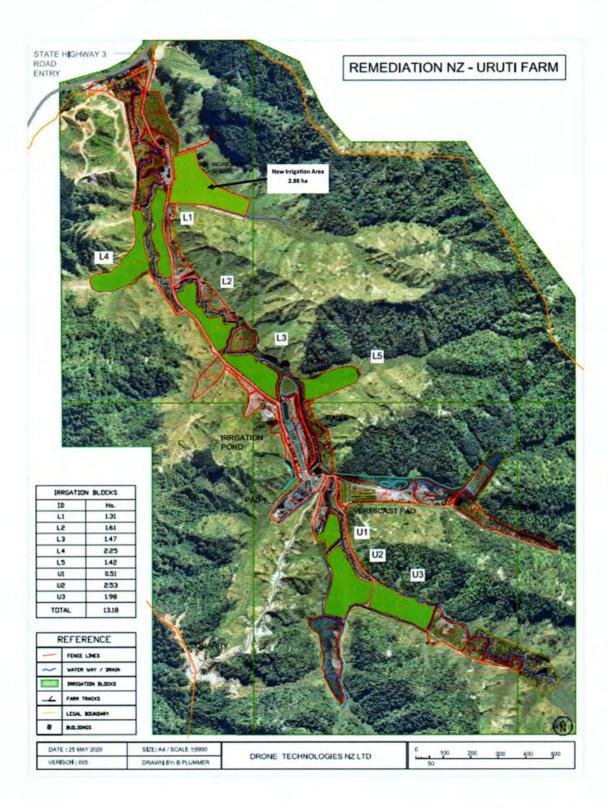
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Colin Kay

Kay Consulting Ltd

24 March 2021

Attachment A. Plan Showing location of new irrigation area



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